(FILE 'HOME' ENTERED AT 12:02:25 ON 02 MAR 2003)

FILE 'REGISTRY' ENTERED AT 12:02:49 ON 02 MAR 2003
L1 3 S NOOTKATONE/CN OR ZIZANOL/CN OR BICYCLOVETIVENOL/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:03:50 ON 02 MAR 2003
L2 321 S L1
L3 916890 S WOOD OR MULCH? OR SOIL OR SAND OR DIATOM? (2A) EARTH OR BUILD
L4 13 S L2 AND L3
L5 3 S L2 (P) L3
L6 10 S L4 NOT L5

FILE 'REGISTRY' ENTERED AT 12:15:17 ON 02 MAR 2003
L7 2382 S PLANT OR TREE

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:19:41 ON 02 MAR 2003
L8 1126414 S PLANT OR TREE
L9 43 S L1 AND L8
L10 3 S L1 (P) L8
L11 3779612 S WATER OR AQUEOUS
L12 43 S L1 AND L8
L13 3 S L1 (P) L8
L14 38 S L1 AND L11
L15 2 S L1 (P) L11

Set Name side by side	Query	Hit Count	Set Name result set
	DB=DWPI; PLUR=YES; OP=ADJ		
L13	zizanol or bicyclovetivenol	2	L13
L12	l3 and L11	3	L12
L11	plastic or cellulose	519603	L11
L10	l3 and L9	2	L10
L9	plant or tree	251941	L9
L8	l3 and L7	4	L8
L7	water or aqueous	1278147	L7
L6	l3 and L5	1	L6
L5	diatom$10 or earth	137003	L5
L4	l2 and L3	1	L4
L3	nootkatone or zizanol or $10vetivenol	31	L3
L2	soil or mulch$3 or sand or wood or build$3 near2 material	261230	L2
L1	soil or mulch$3 or sand or wood	233417	L1

END OF SEARCH HISTORY

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:222999 CAPLUS
DOCUMENT NUMBER: 96:222999
TITLE: Volatile constituents of vetiver oil. Identification of phenol derivatives
AUTHOR(S): Nishimura, Osamu; Mihara, Satoru; Aitoku, Akiyoshi; Hayashi, Jun
CORPORATE SOURCE: Ogawa and Co., Ltd., Japan
SOURCE: Koryo (1982), 135, 89-95
CODEN: KORYAR; ISSN: 0368-6558
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Ten phenols: methoxyphenol [26638-03-9], o-cresol [95-48-7], p-cresol [106-44-5], m-cresol [108-39-4], eugenol [97-53-0], 4-vinylguiacol [7786-61-0], cis- [5912-86-7] and trans-isoeugenol [5932-68-3], 4-vinylphenol [2628-17-3], and vanillin [121-33-5], 3 sesquiterpene alcs.: khusimol [16223-63-5], isovalencenol [22387-74-2], and **zizanol** [28102-79-6], and 2 ketones: .alpha.- [15764-04-2] and .beta.-vetivone [18444-79-6], and zizanoic acid [16203-25-1] were identified in vetiver oil. This is this 1st report of phenols in this oil. The alcs., ketone, and acid **compns**. were detd. in 5 com. vetiver oils by gas chromat

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:20861 CAPLUS
DOCUMENT NUMBER: 92:20861
TITLE: The hydration of nootkatone in aqueous acids
AUTHOR(S): Baxter, R. L.; McHale, D.
CORPORATE SOURCE: Group Res. Lab., Cadbury Schweppes Ltd., London, NW9 6AN, UK
SOURCE: Food Chemistry (1979), 4(4), 319-21
CODEN: FOCHDJ; ISSN: 0308-8146
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Nootkatone [**4674-50-4**], the character impact component of grapefruit aroma, can form 13-hydroxynootkatone [20489-50-3] in **aq**. citric acid (pH 2.4). The hydroxy deriv. has an odor potency about 1/60 that of nootkatone. Anal. of grapefruit juice stored at various temps. showed that no significant amt. of the hydroxy deriv. was formed. The nootkatone was assocd. with the cloud particles, and may have been thus protected.

WEST

End of Result Set

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L13: Entry 2 of 2 File: DWPI Feb 17, 1986

DERWENT-ACC-NO: 1986-085710
DERWENT-WEEK: 198613

TITLE: Base compsn. for external use - comprising sesqui:terpene alcohol and polar cpd., e.g. lower alcohol, glycerine (ester) thio:glycerol etc.

PRIORITY-DATA: 1984JP-0154292 (July 25, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 61033129 A	February 17, 1986		007	
JP 93070609 B	October 5, 1993		008	A61K047/22

INT-CL (IPC): A61K 9/70; A61K 47/06; A61K 47/22

ABSTRACTED-PUB-NO: JP 61033129A
BASIC-ABSTRACT:

Base compsn. for external use, comprising (1) sesquiterpene alcohol and (2) a polar cpd. selected from (a) lower alcohol, (b) glycerine, (c) glycerine ester, (d) thioglycerol, (e) acetic acid, (f) lactic acid ester, (g) cyclic urea cpd. of general formula (I), where R1 and R2 are each H or lower alkyl, (h) amide cpd. of general formula (II), where R3, R4 and R5 are each H or lower alkyl , (i) alkylene glycol, (j) mono- or di-ethylene glycol monoalkyl ether, (k) lactone of general formula (III) where R6, R7 and R8, and R9 are each H, lower alkyl, nitro or 1-2C acyl, and (l) lactam cpd.

Examples of the sesquiterpene alcohol (1) are farnesol, hexahydro-farnesol, nerolidol, santalol, bisabolol, nuciferol, cardinolol, elemol, bicyclovetivenol, tricyclovetivenol, carotol, etc. These sesquiterpene alcohols are incorporated in 1-80 w/w %, pref. 1-50 w/w% to (1) + (2).

USE/ADVANTAGE - Compsn. is useful as base for external use of local anesthetics, antihistamines, antibiotics, antifungal agents, benzodiazepines, diuretics, hypo-tensive agents, non-steroidal antiinflammatory agents, antitumour agents, steroidal antiinflammatory agents, antiarrhythmic agents, scopolamines, vasodilators, etc. Transdermal absorption is enhanced in compsns. using base.

WEST

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L12: Entry 2 of 3 File: DWPI May 18, 2000

DERWENT-ACC-NO: 2000-411507
DERWENT-WEEK: 200227

TITLE: New nootkatone derivatives and nootkatone analog derivatives for volume reduction, dissolution and reuse of styrene foams, oily stain cleaning and dissolution of cholesterol

INVENTOR: KASHIHARA, H

PRIORITY-DATA: 1998JP-0335003 (November 10, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200027907 A1	May 18, 2000	J	035	C08J011/08
JP 2000581080 X	February 12, 2002		000	C08J011/08
AU 200010796 A	May 29, 2000		000	C08J011/08
JP 2001131111 A	May 15, 2001		017	C07C049/653

INT-CL (IPC): C07 C 1/20; C07 C 1/34; C07 C 13/48; C07 C 29/143; C07 C 35/36; C07 C 45/61; C07 C 45/72; C07 C 49/653; C08 J 11/08; C11 D 7/24; C11 D 7/25; C11 D 7/26

ABSTRACTED-PUB-NO: WO 200027907A
BASIC-ABSTRACT:

NOVELTY - Nootkatone derivatives and nootkatone analog derivatives (Ia), (IIa), (Ib) and (IIb) are new.

DETAILED DESCRIPTION - Nootkatone derivatives and nootkatone analog derivatives of formulae (Ia), (IIa), (Ib) and (IIb) are new.

R1 = H, 1-8C alkylidene, 3-7C cycloalkylidene or 7-11C aralkylidene;

R2 = H, 1-8C alkyl, 3-7C cycloalkyl, 7-11C aralkyl or 6-10C allyl.

INDEPENDENT CLAIMS are also included for the following:

(a) a production method for (Ia) or (IIb) comprising chemically treating nootkatone or nootkatone analog, in which R1 is O;

(b) a method of using grapefruit organic solvent extracts to volume-reduce or dissolve plastics such as styrene foams, clean oily stains, or dissolve cholesterol; and

(c) a method of using nootkatone and/or nootkatone analog to volume-reduce or dissolve plastics such as styrene foams, clean oily stains, or dissolve cholesterol.

USE - The nootkatone derivatives and nootkatone analog derivatives are used to volume-reduce or dissolve plastics such as styrene foams, clean oily stains, or dissolve cholesterol; e.g. for polyhydrocarbon plastics such as polystyrene and polypropylene.

ADVANTAGE - The methods can be used to reuse styrene foams, the resulting solutions can be post treated at low temperatures, and the derivatives and grapefruit extracts are excellent cleaners for the environment and people and excellent solvents for cholesterol. The extracts, nootkatone, nootkatone analog and derivatives are stable to

light, water and heat, and even small amounts can reduce the vol. of a large amount of plastics.

(FILE 'HOME' ENTERED AT 14:25:28 ON 02 MAR 2003)

FILE 'CAPLUS, USPATFULL' ENTERED AT 14:25:41 ON 02 MAR 2003

L1	16	S	ZIZANOL
L2	2586253	S	COMPOSITION
L3	0	S	L1 (3A) L2
L4	2	S	L1 (P) L2
L5	14	S	L1 NOT L4